

Non-CO₂ GHG Mitigation

Technology Target

- Demonstration viability of large-scale oxidation of coal mine ventilation air methane
- Technology options for landfill gas
- Upgrade low Btu methane streams from coal mines and landfills



CONSOL

- Use of coal mine ventilation air methane
- Demonstration flow reversal of ventilation air methane

North Carolina A&T State University

- Develop Nanofiller-Modulated Polymeric Oxygen Enrichment Membranes for Reduction of Nitrogen Oxides in Coal Combustion

Kansas Geological Survey

- Landfill gas sequestration and natural processing in coal seams

University of Michigan

- Optimize microbially mediated mitigation of GHG emissions from landfill cover soils

University of Delaware

- Develop an intelligent bioreactor management information system

UNC-Charlotte

- Reduce methane emissions with bioactive alternative daily cover

